

Gendered Struggles over the Medical Profession in the Modern Middle East and North Africa

LIAT KOZMA and NICOLE KHAYAT

ABSTRACT Historians of the professionalization of medicine in colonized regions, including the Middle East, have mostly focused on male practitioners, whereas histories of women in the medical professions are mostly centered in Western societies. The present issue examines histories of female medical practitioners by looking at case studies spanning the twentieth century from Algeria, Palestine, Israel, Iran, and Iraq. The introduction to this issue offers an overview of existing scholarship and charts sources and directions for future research and historical actors yet to be studied. The articles examine microlevel contact zones, in which women's agency shaped and was shaped by colonial and postcolonial encounters, decolonization, and the formation of national professions. They reveal tensions within the medical sphere, between men and women, foreign and local, colonizer and colonized.

KEYWORDS women, professions, colonialism, postcolonial, history of medicine

The present theme issue speaks to two bodies of scholarship: the history of medicine in the Middle East and the history of women in the medical profession. Historians of the professionalization of medicine in colonized societies have mostly focused on male practitioners and their place in the national middle class (e.g., Lo 2002; Patton 1996). The Middle East is no exception. Histories of the medical profession in the Middle East have addressed medical schools, study missions to Europe, and the production of male physicians. They have also studied these men's employment in national or colonial public health systems, their unionization, and their intellectual production. University-trained medical professionals in the

Middle East claimed authority over medical knowledge and struggled for professional mobility within colonial hierarchies and power relations (‘Ababnah 2010; Blecher 2002; Bourmaud 2004, 2012; Chiffolleau 1997; Clark 2016a, 2016b; Dewachi 2017; Erdemir 1995, 1997; Gallagher 1983; Kozma and Furas 2020; Mahfuz 1935; al-Manawi 1999; Rafeq 2015; Sonbol 1991; Verdeil 2008). Graduates of medical schools in Istanbul, Beirut, Cairo, and several North American and European cities sought to replace earlier forms of healing with modern scientific methods. Medical faculties were established in the Middle East throughout the nineteenth century: in Cairo and Istanbul (1827); in Beirut—the Syrian Protestant College (1867; SPC, later renamed AUB) and St. Joseph University (1883)—and in Damascus (1903). With few exceptions these universities’ graduates were men, and their training further excluded women medical practitioners; male doctors gradually gained control over the domains of childbirth and healing, formerly populated by local midwives and women healers.

Whereas histories of biomedicine in the region concentrate mainly on male physicians, histories of women in the medical professions are mostly centered in Western societies. The latter start with the first women’s medical college, which opened in 1850 in Pennsylvania, and the first modern nursing training program, inaugurated by Florence Nightingale in 1860 (e.g., Conrad and Hardy 2001; Morantz-Sanchez 2000). Several historians examined European women doctors, nurses, and midwives in the colonies. They demonstrated, for example, that the colonies served as a medical career path often blocked in the metropole, and they studied these women’s interactions with colonial administrations, on the one hand, and local patients, on the other (e.g., Allender 2016; Hassan 2011; Sweet and Hawkins 2015). Others raised similar claims concerning the Middle East (Amster 2013; Fredj 2011, 2015). In addition, several scholars studied Jewish nurses and women doctors in late Ottoman and Mandatory Palestine, focusing almost exclusively on dynamics within the Jewish community (Bartal 2005; Shehory-Rubin 2014).

To the best of our knowledge, the current issue represents the most comprehensive examination to date of women medical practitioners in the Middle East. Contributions to this theme issue include case studies spanning the twentieth century from Algeria, Palestine, Israel, Iran, and Iraq. They reveal tensions within the medical sphere between men and women, foreign and local, colonizer and colonized.

This theme issue brings together nurses, doctors, and midwives to examine microlevel contact zones, in which women’s agency shaped and was shaped by colonial and postcolonial encounters, decolonization, and the formation of national professions. We question which professional opportunities impeded and which facilitated women’s medical practice in various political regimes and public health systems. All the articles read women medical professionals as active agents in the

from the Ottoman authorities (Fleischmann 2009; Jessup 1910). Hilana Barudi and Anisa Sayba'a (1865–1944) studied in London and Edinburgh, respectively, about a decade later.

The medical faculty of the University of Istanbul opened its doors to women in 1922, with the first women graduating in 1927 (Woodsmall [1936] 1975). However, after the collapse of the Ottoman Empire, it is safe to assume that Arab women had little incentive to travel there for their education. Fu'ad I University (later known as Cairo University) opened its medical faculty to women students in 1929 ('Abd al-Ra'uf 1933). Although the Royal Medical College in Iraq opened in 1927, women were not admitted until 1933 (Farhan in this issue). In 1935 three women were studying medicine at the University of Damascus (Woodsmall [1936] 1975).

Both the AUB and St. Joseph had their first women medical graduates in 1931. Their alumni records allow for a preliminary reconstruction of these women's careers. Physicians include Edma Ilyas Abu Shadid (1909–92), who received her medical degree in 1931 from the AUB and later settled in Baghdad. Graduating in the same year from St. Joseph, H el ene D. Safi continued to work in the French Maternity Hospital in Beirut. Salwa Habib Khuri (born in Gaza in 1912) graduated from the AUB in 1936, returned to Palestine from Beirut, and was the only Arab woman employed at the British Mandate Department of Health (Alumni Association 1953; *Bulletin annuel de la Facult e fran aise* 1947).

Several factors were responsible for the formation of the nursing profession in the Middle East. Early beginnings include individual missionary initiatives. Beth Baron (2020) describes, for example, the nursing training of unadmitted women in the American Missionary Hospital in Tanta. Inger Marie Okkenhaug (2020) shows that Scandinavian and German missionary nurses trained Armenian orphans as nurses. Yet little is known about the extent of these missionary initiatives and of nurses' training in the region. At the time that Ruth Woodsmall's ([1936] 1975) book appeared, Iraq had no nursing school and only a few unqualified local nurses. By contrast, hospitals in Palestine were already training nurses in the late Ottoman years. Nurses were trained by the Red Cross/Red Crescent, by hospitals (through a program that combined classes and practical hospital work [Krik forthcoming]), or in university programs. Julia R. Shatz's (2018) work on Palestinian nurses is a pioneering and rich social history of colonial medical encounters that also examines local women professionals. Shatz notes the difficulty of finding Muslim women willing to train as nurses in Mandatory Palestine. Because of this shortage, the British colonial authorities established a training center for nurses to work solely with women and children in the government hospital in Nablus. Conversely, the Hadassah school and hospitals trained Jewish nurses in Palestine from the early 1920s (Bartal 2005).

The SPC (later the AUB) opened its Nurses Training School in 1905. Its first three students graduated in 1908 and another two in 1910. This trickle of graduates

gained impetus after World War I, with a total of 518 nurses and 59 midwives graduating from the AUB by 1952. From diverse ethnic backgrounds, these graduates included Arab, Jewish, Armenian, and Greek women. Similarly, 283 women were trained as midwives at St. Joseph University from 1922 to 1947. Still, no study has examined the history of these women or their training (Alumni Association 1953; *Bulletin annuel de la Faculté française* 1947).

The division of labor between existing medical traditions and university-trained practitioners was often complementary. Although colonial and state officials were eager to replace “ignorant” midwives with institutionally trained and licensed ones, most women still sought local midwives (*dayas* or *qabla*) to assist in deliveries. Consequently, the state endeavored to incorporate these midwives, offering them rudimentary training—mostly in hygiene, and registering them and relying on their services, for instance, in the administration of vaccinations (Bell 1998; Brownson 2017; Fahmy 1998; Fredj 2011, 2015).

The training of midwives varied between countries. Midwives had received professional training at a school of midwifery in Istanbul since the 1890s. In Egypt midwives trained at the Kitchener Hospital in Cairo, the Qasr al-‘Ayni Medical School, and missionary hospitals. Both the AUB and the Department of Health in Palestine offered midwifery training to graduates of nursing programs. We know of women who studied medicine at the AUB (seventeen graduates from 1931 to 1952) and St. Joseph (twelve from 1931 to 1947), but we have only partial data on other places (Alumni Association 1953; *Bulletin annuel de la Faculté française* 1947). In Palestine some training was offered to practicing *dayas* to improve hygiene (Brownson 2017; Krik forthcoming; Woodsmall [1936] 1975). Professional government-sanctioned complementary training for apprentice-trained midwives was available, according to Woodsmall ([1936] 1975), in Palestine but not in Syria or Iraq. Tensions between apprentice-trained local midwives and modern schooled nurses, midwives, and doctors are evident in recent scholarship (Brownson 2017; Okkenhaug 2020). Woodsmall ([1936] 1975) notes that nurses’ and midwives’ status differed between countries: midwives, for example, were considered no better than servants in Syria, but theirs was more prestigious employment than nursing in Egypt. The social status and prestige of nurses were generally low but gradually rose as improved training and higher pay attracted middle-class women to the profession. This process varied by region and deserves further study.

This overview attests to the gaps in existing studies of women doctors, nurses, and midwives, which this issue only begins to bridge. The issue, while contributing to existing bodies of scholarship, calls for more research. Such sources as medical schools’ alumni records and doctors’ published memoirs, as well as personal writings (e.g., Dulaymi 2000; al-Sa‘dawi 1995; Zaki 2015), suggest that more can be known about women medical practitioners in the region (e.g., Maftsir forthcoming).

Future research can examine their social origins, places of employment, social and geographic mobility, and intellectual production. Oral history interviews might shed light on women's experiences in medical school, work experience, and career choices. In addition, more might be learned about foreign women medical practitioners in the region, including settlers, missionaries, and imperial employees. We have no research, for instance, on women dental surgeons, pharmacists, or veterinarians, although we do know that several women had already graduated from schools of dentistry and pharmacy in Beirut in the 1920s. Similarly, we know little about women in medical practitioners' organizations and unions. Finally, and more intractably, we know very little about how ordinary individuals of different genders perceived their interactions with women medical practitioners.

Overview of Contributions

The articles in this issue draw on a wide range of sources. These include governmental, institutional, and missionary archives and publications as well as women health practitioners' writings and oral narratives. These sources enable the contributors to reconstruct, at least partly, women practitioners' voices and perspectives. Benny Nuriely and Liat Kozma, Sara Farhan, and Lydia Wytenbroek focus on professional training, while Dongxin Zou and Hagit Krik concentrate on professional practice. Both Farhan's and Nuriely and Kozma's articles analyze women's admission to medical schools and highlight class and ethnic criteria that mediated their access to higher education. They also show how gender affected career paths and opportunities. Furthermore, they demonstrate that faculty heads viewed women's admission as a waste of resources because, once married, graduates risked abandoning their professional duties.

Wytenbroek, Zou, and Krik each analyze intercultural encounters in the medical and nursing professions. Their work examines unequal power relations between foreign women medical professionals and their local students, patients, and colleagues. Krik explores the complex power relations in which British nurses in Palestine were embedded, as the only British employees subordinated to both British and Palestinian officers, even as they had responsibility for the training and work of both British and Palestinian women nurses. Her article analyzes tensions between their self-perception as racially superior and their status within the British colonial hierarchy as inferior. In contrast, Zou describes tensions between Chinese women doctors working in Algeria and Morocco and their local patients and nurses. These tensions are related to the conflicting childbearing ideologies between the Chinese one-child policy and Algerian and Moroccan pronatalism.

Wytenbroek describes a hierarchical relationship between American missionary instructors and their students in schools as well as in hospital work settings. These American missionary nursing schools, unlike the settings Krik explores, were independent of men's supervision. Wytenbroek depicts the first nursing schools

reproductive practices through a Chinese gender rhetoric. She unpacks Chinese doctors' narratives to uncover cultural biases and preconceptions stemming from the gap between the Chinese one-child policy and North African pronatalism. Overworked and performing in difficult conditions, these Chinese women ob-gyns expressed their frustration with what they saw as local midwives' neglect and local patients' indifference to their own health and well-being.

LIAT KOZMA is associate professor in the Department of Islamic and Middle Eastern Studies at the Hebrew University of Jerusalem. She is author of *Policing Egyptian Women: Sex, Law, and Medicine in Khedival Egypt* (2011) and *Global Women, Colonial Ports: Prostitution in the Interwar Middle East* (2017). Her current project, funded by the European Research Council (ERC), is titled "A Regional History of Medicine in the Middle East, 1830–1960." Contact: liat.kozma@mail.huji.ac.il.

NICOLE KHAYAT is a sociocultural and intellectual historian of the modern Middle East and a postdoctoral fellow at the Hebrew University of Jerusalem. Her scholarship concerns Arabic textual production in the Arab provinces of the Ottoman Empire during the long nineteenth century, with particular focus on translation, historiography, medicine, and copyright. She is currently at work on an ERC project titled "A Regional History of Medicine in the Middle East" and a book manuscript on European historiography in Arabic. Contact: Inkhayat@gmail.com.

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References

- ‘Ababnah, Salim. 2010. *Mu‘jam A‘lam al-Tibb fi al-Tarikh al-‘Arabi wa al-Islami (A Lexicon of Great Doctors in Arab and Islamic History)*. Amman: Al-Bayruni.
- ‘Abd al-Ra‘uf, Hasan. 1933. "Al-Tabibat al-Misriyyat wa-Talibat al-Tibb" ("Egyptian Women Doctors and Students"). *Al-Majallah al-Tibbiyyah al-Misriyyah* 16, no. 12: 711–15.
- Abugideiri, Hibba. 2010. *Gender and the Making of Modern Medicine in Colonial Egypt*. London: Routledge.
- Allender, Tim. 2016. *Learning Femininity in Colonial India, 1820–1932*. Manchester: Manchester University Press.
- Alumni Association. 1953. *The American University of Beirut: Directory of Alumni, 1870–1952*. Beirut: Alumni Association.
- Amster, Ellen J. 2013. *Medicine and the Saints: Science, Islam, and the Colonial Encounter in Morocco, 1877–1956*. Austin: University of Texas Press.
- Baron, Beth. 1994. *The Women's Awakening in Egypt: Culture, Society, and the Press*. New Haven, CT: Yale University Press.

- Baron, Beth. 2020. "Liberated Bodies and Saved Souls: Freed African Slave Girls and Missionaries in Egypt." In *Christian Missions and Humanitarianism in the Middle East, 1850–1950: Ideologies, Rhetoric, and Practices*, edited by Inger Marie Okkenhaug and Karene Sanchez-Summerer, 41–61. Leiden: Brill.
- Bartal, Nira. 2005. *Hemla Ve-Yeda: Praxim Be-Toldot Ha-Si'ud Be-Eretz Israel, 1918–1948 (Compassion and Knowledge: Chapters in the History of Nursing in Eretz Israel, 1918–1948)*. Jerusalem: Yad Ben Zvi.
- Bell, Heather. 1998. "Midwifery Training and Female Circumcision in the Inter-war Anglo-Egyptian Sudan." *Journal of African History* 39, no. 2: 293–312.
- Blecher, Robert I. 2002. "The Medicalization of Sovereignty: Medicine, Public Health, and Political Authority in Syria, 1861–1936." PhD diss., Stanford University.
- Bourmaud, Philippe. 2004. "Les médecins du Bilād al-Šām et les articles médicaux à l'époque des premières facultés de médecine (années 1870–1914): Développement d'une pratique d'écriture et constitution d'un discours professionnel." *Bulletin d'études orientales* 55: 225–47.
- Bourmaud, Philippe. 2012. "Experts at Large: Physicians, Public Debate, and the Press in Late Ottoman Palestine." *Archiv Orientalní: Quarterly Journal of African and Asian Studies* 80, no. 2: 295–305.
- Brownson, Elizabeth. 2017. "Enacting Imperial Control: Midwifery Regulation in Mandate Palestine." *Journal of Palestine Studies* 46, no. 3: 27–42.
- Bulletin annuel de la Faculté française de médecine et de pharmacie de Beyrouth, Année scolaire 1945–1946 et 1946–1947*. 1947. N.p.
- Chiffolleau, Sylvia. 1997. *Médecines et médecins en Égypte: Construction d'une identité professionnelle et projet médical*. Paris: Harmattan.
- Clark, Hannah-Louise. 2016a. "Administering Vaccination in Interwar Algeria: Medical Auxiliaries, Smallpox, and the Colonial State in the *Communes mixtes*." *French Politics, Culture and Society* 34, no. 2: 32–56.
- Clark, Hannah-Louise. 2016b. "Expressing Entitlement in Colonial Algeria: Villagers, Medical Doctors, and the State in the Early Twentieth Century." *International Journal of Middle East Studies* 48, no. 3: 445–72.
- Conrad, Lawrence I., and Anne Hardy. 2001. *Women and Modern Medicine*. Amsterdam: Rodopi.
- Dewachi, Omar. 2017. *Ungovernable Life: Mandatory Medicine and Statecraft in Iraq*. Stanford, CA: Stanford University Press.
- Dulaymi, Naziha. 2000. *Min al-Dhakira: Sirat Hayah (From Memory: An Autobiography)*. Damascus: Dar al-Mada.
- Erdemir, Ayşegül D. 1995. "The First Turkish Medical Faculty: An Important Chapter of Turkish Medical History." *Studies in the History of Medicine and Science* 14, nos. 1–2: 41–66.
- Erdemir, Ayşegül D. 1997. "The Importance of Haydarpasha Medical Faculty (the First Turkish Medical Faculty) (1903–1933) from the Point of View of Turkish Medical History and Some Original Results." *Hamdard Islamicus* 20, no. 1: 61–75.
- Fahmy, Khaled. 1998. "Women, Medicine, and Power in Nineteenth-Century Egypt." In *Remaking Women: Feminism and Modernity in the Middle East*, edited by Lila Abu-Lughod, 35–72. Princeton, NJ: Princeton University Press.
- Farhan, Sara. 2019. "The Making of Iraqi Doctors: Reproduction in Medical Education in Modern Iraq, 1869–1959." PhD diss., York University.
- Fleischmann, Ellen. 2006. "Evangelization or Education: American Protestant Missionaries, the American Board, and the Girls and Women of Syria (1830–1910)." In *New Faith in Ancient Lands: Western Missions in the Middle East in the Nineteenth and Early Twentieth Centuries*, edited by Heleen Murre-van Den Berg, 263–80. Leiden: Brill.

- Fleischmann, Ellen. 2009. "‘I Only Wish I Had a Home on This Globe’: Transnational Biography and Dr. Mary Eddy." *Journal of Women's History* 21, no. 3: 108–30.
- Fredj, Claire. 2011. "Encadrer la naissance dans l'Algérie coloniale: Personnels de santé et assistance à la mère et à l'enfant 'indigènes' (XIXe–début du XXe siècle)." *Annales de démographie historique*, no. 122: 169–203.
- Fredj, Claire. 2015. *Femme médecin en Algérie: Journal de Dorothee Chellier (1895–1899)*. Paris: Belin.
- Gallagher, Nancy E. 1983. *Medicine and Power in Tunisia, 1780–1900*. Cambridge: Cambridge University Press.
- Greenberg, Ela. 2010. *Preparing the Mothers of Tomorrow: Education and Islam in Mandate Palestine*. Austin: University of Texas Press.
- Hassan, Narin. 2011. *Diagnosing Empire: Women, Medical Knowledge, and Colonial Mobility*. Farnham: Ashgate.
- Hatem, Mervat. 1997. "The Professionalization of Health and the Control of Women's Bodies as Modern Governmentalities in Nineteenth-Century Egypt." In *Women in the Ottoman Empire: Middle Eastern Women in the Early Modern Era*, edited by Madeline C. Zilfi, 66–80. Leiden: Brill.
- Jessup, Henry H. 1910. *Fifty-Three Years in Syria*. New York: Revell.
- Kozma, Liat. 2011. *Policing Egyptian Women: Sex, Law, and Medicine in Khedival Egypt*. Syracuse, NY: Syracuse University Press.
- Kozma, Liat, and Yoni Furas. 2020. "Palestinian Doctors under the British Mandate: The Formation of a Profession." *International Journal of Middle East Studies* 52, no. 1: 87–108.
- Krik, Hagit. Forthcoming. "Health in the Service of Empire: British Colonial Nursing in Interwar Cyprus and Palestine." *Bulletin of the History of Medicine*.
- Lo, Ming-cheng M. 2002. *Doctors within Borders: Profession, Ethnicity, and Modernity in Colonial Taiwan*. Berkeley: University of California Press.
- Maftsir, Sharon. Forthcoming. "A (Female) Country Doctor in Egypt: The Life and Times of Nawal Al-Saadawi." *British Journal of Middle Eastern Studies*.
- Mahfuz, Najib. 1935. *The History of Medical Education in Egypt*. Cairo: Government Press.
- Makdisi, Ussama. 2009. *Artillery of Heaven: American Missionaries and the Failed Conversion of the Middle East*. Ithaca, NY: Cornell University Press.
- al-Manawi, Mahmud F. 1999. *Hukama' Qasr al-'Ayni (The Doctors of Qasr al-'Ayni)*. Cairo: Dar Nahdat Misr.
- Morantz-Sanchez, Regina. 2000. *Sympathy and Science: Women Physicians in American Medicine*. 2nd ed. Chapel Hill: University of North Carolina Press.
- Okkenhaug, Inger Marie. 2020. "Spiritual Reformation and Engagement with the World: Scandinavian Mission, Humanitarianism, and Armenians in the Ottoman Empire, 1905–1914." In *Christian Missions and Humanitarianism in the Middle East, 1850–1950: Ideologies, Rhetoric, and Practices*, edited by Inger Marie Okkenhaug and Karene Sanchez-Summerer, 90–109. Leiden: Brill.
- Patton, Adell. 1996. *Physicians, Colonial Racism, and Diaspora in West Africa*. Gainesville: University Press of Florida.
- Pursley, Sara. 2020. *Familiar Futures: Time, Selfhood, and Sovereignty in Iraq*. Stanford, CA: Stanford University Press.
- Rafeq, Abdul-Karim. 2015. "Traditional and Institutional Medicine in Ottoman Damascus." *Turkish Historical Review* 6, no. 1: 76–102.
- Rao, Mallika. 2014. "Meet the Three Female Medical Students Who Destroyed Gender Norms a Century Ago." *Huffpost*, August 4. www.huffpost.com/entry/19th-century-women-medical-school_n_5093603.
- Reid, Alice. 2012. "Birth Attendants and Midwifery Practice in Early Twentieth-Century Derbyshire." *Social History of Medicine* 25, no. 2: 380–99.
- al-Sa'dawi, Nawal. 1995. *Awraqi, Hayati (My Papers, My Life)*. Cairo: Dar al-Hilal.

